

CCTGACCGGCCGGCGGCCCGGGCCGGTCTCGCCCCTCTACCGAGCGCCTCGCCGCC  
 CCCTCCCCGGCCCGCGTCCCCTCCCCGTCTCTCTCCCCGCCCCGCCCGCCTCTC  
 GGGGGGAGGGGCGTGGGGGCAGGGAGCCGATTTGCATGCGGCCGCCGCGGCCGCTG  
 CCTGAGCCGGAGCCCGCCGCCGCGGAGCCCGCGCCCCGCGCCCCGGCCCGCG  
 CGGCCCCATGCCTCTGGCGCGGCCCTCGGGGGGGCGAAGGTGAAGATCGGCTCCTAG  
 GATGAGTGAAGGGGCGGCCGGTGCCTCGCCACCTGGTGCCGCTTCGGCAGCCGCCGC  
 CTCAGCCGAGGAGGGCACCGCGGCGGCTGCGGCGGCGGCGGCGGCGGGCGGGGGCC  
 CGGACGGCGGCGGAGAAGGGGCGGCCGAACCCCCCGGGAGTTACGCTGTAGCGACT  
 GCATCGTGTGGAACCGGCAGCAGACGTGGTTGTGCGTGGTGCCTCTGTTTCATCGGCTT  
 CATCGGCCTGGGGCTCAGCCTCATGCTGCTTAAATGGATCGTGGTAGGCTCCGTCAAG  
 GAGTACGTGCCACGGACCTGGTGGACTCCAAGGGAATGGGCCAGGACCCCTTCTTCC  
 TCTCAAAGCCCAGCTCTTTCCCCAAGGCTATGGAAACCACCACAACAACCACTTCTACC  
 ACGTCCCCCGCCACCCCTCTGCCGGCGGCGCCGCTTCTTCCAGGACGCCTAACCGGA  
 TTAGCACCCGCTTGACCACCATCACACGGGCACCCACCCGCTTCCCTGGGCACCGGGT  
 TCCCATCCGGGCTAGCCCGCGCTCTACCACAGCACGGAACACTGCTGCCCCCTCCGACG  
 GTCCTGTCCACCACGGCCCCCTTTCTTACGTAGCAGCACGCCCGGCTCCCGACCCCGAT  
 GCCAGGAGCCCCCAGTACGCAGGCGATGCCTTCTGGCCCACTGCGGCGTATGCTACC  
 TCCTCCTACCTCCACGATTCCACTCCCTCCTGGACCCTGTCACCCTTTCAGGATGCTGC  
 TGCCGCTCTTCTCCTCACCTCTTCCACCTCCTCCACTACCACCACCCAGAACTA  
 GCACCAGCCCCAAATTTCACTACTACAATACTCCACTGAACGATCTGAGCACTTCAA  
 ACCCTGTCGAGACAAGGACCTGGCGTATTGTCTCAATGATGGTGAATGCTTTGTGATT  
 GAGACCCTGACAGGATCCCATAAGCACTGTGCGGTGCAAGGAAGGCTACCAAGGAGTC  
 CGTTGTGATCAATTTCTGCCGAAAACAGACTCCATCTTATCGGATCCAACAGACCACTT  
 GGGGATTGAATTCATGGAGAGTGAAGACGTTTATCAAAGGCAGGTGCTGTCAATTTCA  
 TGTATCATCTTTGGAATTGTCATCGTGGGCATGTTCTGTGCAGCATTCTACTTCAAAAG  
 CAAGAAACAAGCTAAACAAATTCAGGAGCACCTGAAAGAGTCACAGAATGGGAAGAA  
 CTACAGCCTCAAGGCATCCAGCACAAAGTCTGAGAGCTTGATGAAGAGCCATGTCCAT  
 CTACAAAATTATTCAAAGGCGGATAGGCATCCTGTGACTGCGCTGGAGAAAATAATGG  
 AGTCAAGTTTTTCAGCTCCCCAGTCGTTCCAGAAAGTCACTTCTCCTGACCGAGGAAG  
 CCAGCCTATCAAGCACACAGCCAGGACAAAGGAGTGGGATGTTGCATAGGAATAC  
 TTTCAGAAGGGCACCAACCTCACCCCGAAGTCGACTGGGTGGTATTGTAGGACCAGCA  
 TATCAACAACCTTGAAGAATCAAGAATTCAGACCAGGATACGATACCTTGCCAAGGGA  
 TAGAGGTCAGGAAGACTATATCCACCTGCCTATACAGCTGTGGTGTGTTGAAAGACC  
 CCTGGACTTAAAGTATGTGTCCAATGGCTTAAGAACCCCAACAAAATGCATCAATAAAT  
 ATGCAACTGCCTTCAAGAGAGACAAACCCCTATTTTAATAGCTTGGATCAAAAGGACC  
 TGGTGGGTATTATATCCCCAAGGGCCAATTCTGTGCCCATCATCCCGTCGATGGGTCTA  
 GAAGAAACCTGCATGCAAATGCCAGGGATTTCTGACGTCAAAGCATTAAATGGTGCA  
 AAACTCCTACTCCGCTGACATTGTCAACGCGAGTATGCCAGTCAGTGATTGTCTTCTA  
 GAAGAACAACAGGAAGTGAAAATATTACTAGAGACTGTGCAGGAACAGATCCGGATT  
 CTGACTGATGCCAGACGGTCAGAAGACTTCGAAGTGGCCAGCATGGAACTGAGGAC  
 AGTGCGAGCGAAAACACAGCCTTTCTCCCCCTGAGTCCCACGGCCAAATCAGAACGAG  
 AGGCACAATTTGTCTTAAGAAATGAAATACAAAGAGACTCTGTGCTAACCAAGTGA  
 GGAAATGTAGGAATCTGTGCATTATATGCTTTGCTAAACAGGAAGGAGAGGAAATTA  
 AATACAAATTATTTATATGCATTAATTTAAGAGCATCTACTTAGAAGCC

Figure 1

[illegible]

### Figure 2

ATGAGTGAAGGGGCGGCCGCTGCCTCGCCACCTGGTGCCGCTTCGGCAGCCG  
 CCGCCTCGGCCGAGGAGGGCACCGCGGCGGCTGCGGCGGCGGCAGCGGCGG  
 GCGGGGGCCCGGACGGCGGCGGCGAAGGGGCGGCCGAGCCCCCGGGAGT  
 TACGCTGTAGCGACTGCATCGTGTGGAACCGGCAGCAGACGTGGCTGTGCGT  
 GGTACCTCTGTTTCATCGGCTTCATCGGCCTGGGGCTCAGCCTCATGCTTCTCA  
 AATGGATCGTGGTGGGCTCCGTCAAGGAGTACGTGCCCACCGACCTAGTGGA  
 CTCCAAGGGGATGGGCCAGGACCCCTTCTTCCTCTCCAAGCCCAGCTCTTTCC  
 CCAAGGCCATGGAGACCACCACCACTACCACTTCCACCACGTCCCCCGCCACC  
 CCTCCGCGGGGGTGGCGCCTCCTCCAGGACGCCCAACCGGATTAGCACTCG  
 CCTGACCACCATCACGCGGGCGCCCACTCGCTTCCCCGGGCACCGGGTGCCCA  
 TCCGGGCCAGCCCGCGCTCCACCACAGCACGGAACACTGCGGGCCCCTGCGAC  
 GGTCCCGTCCACCACGGCCCCGTCTTCAGTAGCAGCACGCTGGGCTCCCGAC  
 CCCCAGTGCCAGGAAGTCCAAGTACCCAGGCAATGCCCTCCTGGCCTACTGCG  
 GCATACGCTACCTCCTCCTACCTTCACGATTCTACTCCCTCCTGGACCCTGTCT  
 CCCTTTCAGGATGCTGCCTCCTCTTCTTCTCCTCTTCTCCTCCTCCGCTACCACC  
 ACCACACCAGAACTAGCACCAAGCCCAATTTTCATACGACGACATATTCCAC  
 AGAGCGATCCGAGCACTTCAAACCCTGCCGAGACAAGGACCTTGCATACTGTC  
 TCAATGATGGCGAGTGCTTTGTGATCGAAACCCTGACCGGATCCCATAAACAC  
 TGTCGGTGCAAAGAAGGCTACCAAGGAGTCCGTTGTGATCAATTTCTGCCGAA  
 AACTGATTCCATCTTATCGGATCCAACAGACCACTTGGGGATTGAATTCATGG  
 AGAGTGAAGAAGTTTATCAAAGGCAGGTGCTGTCAATTTTCATGTATCATCTTT  
 GGAATTGTATCGTGGGCATGTTCTGTGCAGCATTCTACTTCAAAGCAAGAA  
 ACAAGCTAAACAAATCCAAGAGCAGCTGAAAGTGCCACAAAATGGTAAAAGC  
 TACAGTCTCAAAGCATCCAGCACAAATGGCAAAGTCAGAGAACTTGGTGAAGA  
 GCCATGTCCAGCTGCAAAATTATTCAAAGGTGGAAAGGCATCCTGTGACTGCA  
 TTGGAGAAAATGATGGAGTCAAGTTTTGTGCGCCCCCAGTCATTCCCTGAGGT  
 CCCTTCTCCTGACAGAGGAAGCCAGTCTGTCAAACACCACAGGAGTCTATCCT  
 CTTGCTGCAGCCCAGGGCAAAGAAGTGGCATGCTCCATAGGAATGCCTTCAG  
 AAGGACACCCCCGTCACCCCCGAAGTAGGCTAGGTGGAATTGTGGGACCAGCA  
 TATCAGCAACTCGAAGAATCAAGGATCCCAGACCAGGATACGATACCTTGCCA  
 AGGGTATTCATCCAGTGGTTTAAAAACCCAACGAAATACATCAATAAATATGC  
 AACTGCCTTCAAGAGAGACAAACCCCTATTTTAAATAGCTTGGAGCAAAAGGAC  
 CTGGTGGGCTATTTCATCCACAAGGGCCAGTTCTGTGCCCATCATCCCTTCAGT  
 GGGTTTAGAGGAAACCTGCCTGCAAATGCCAGGGATTCTGAAGTCAAAGC  
 ATCAAATGGTGCAAAAACCTCCTATTTCAGCTGACGTTGTCAATGTGAGTATTCC  
 AGTCAGCGATTGTCTTATAGCAGAAACAAGAAGTGAAAATATTGCTAGAA  
 ACTGTCCAGGAGCAGATCCGAATTCTGACTGATGCCAGACGGTCAGAAGACT  
 ACGAACTGGCCAGCGTAGAAACCGAGGACAGTGCAAGTGAAAACACAGCCTT  
 TCTCCCCCTGAGTCCCACAGCCAAATCAGAACGAGAGGCGCAATTTGTCTTAA  
 GAAATGAAATACAAAGAGACTCTGCATTGACCAAGTGA

Figure 3

hNRG3B1 1 MSEGAAASPPGAASAAAASAEEGTAAAAAAAAAGGGPDGGGEGAAEPPR  
mNRG3 1 MSEGAAASPPGAASAAAASAEEGTAAAAAAAAAGGGPDGGGEGAAEPPR

hNRG3B1 51 ELRCSDCIVWNROQTWLCVVPLFIGFIGLGLSLMLLKWIVVGSVKEYVPT  
mNRG3 51 ELRCSDCIVWNROQTWLCVVPLFIGFIGLGLSLMLLKWIVVGSVKEYVPT

hNRG3B1 101 PLVDSKGMGQDPFFLSKPSSFPKAMETTTTTTSTTSPATPSAGGAASSRT  
mNRG3 101 PLVDSKGMGQDPFFLSKPSSFPKAMETTTTTTSTTSPATPSAGGAASSRT

hNRG3B1 151 PNRISTRLLTITRAPTRFPGHRVPIRASPRSTTARNTAAPATVPSTTAPF  
mNRG3 151 PNRISTRLLTITRAPTRFPGHRVPIRASPRSTTARNTAAPATVLPSTTAPF

hNRG3B1 201 FSSSTLGSRPPVPGTPTQAMPSPWPTAAYATSSYLHDSTPSWTLSPFQD  
mNRG3 201 FSSSTPGSRPPMPGAPSTOAMPSPWPTAAYATSSYLHDSTPSWTLSPFQD

hNRG3B1 250 AASSSSSSSSSAATTTTTPETSTSPKFHTTTTSTERSEHFKEPDRDKLAYC  
mNRG3 251 AAASSSSPSSSTSTTTTTPETSTSPKFHTTTTSTERSEHFKEPDRDKLAYC

hNRG3B1 299 LNDGEFVVIETLTGSHKHREKEGYQGVRCDOFLPKTDSILSDPTDHLGI  
mNRG3 301 LNDGEFVVIETLTGSHKHREKEGYQGVRCDOFLPKTDSILSDPTDHLGI

hNRG3B1 349 EFMESEEVYQROVLSISCIIFGIVIVGMFCAAFYFKSKKQAKQIQEOLKV  
mNRG3 351 EFMESEDEVYQROVLSISCIIFGIVIVGMFCAAFYFKSKKQAKQIQEHLKE

hNRG3B1 399 PONGKSYSLKASSTMAKSENLYKSHVQLQNYSKVERHPVTALEKIMESSF  
mNRG3 401 SONGKNYSLKASST--KSESLMKSHVHLQNYSKADHPVTALEKIMESSF

hNRG3B1 449 VGPOSFPEVPSPDGRGSOVKHHRSLSSCCSPGQRSGMLHRNAFRRTPPSP  
mNRG3 449 SAPOSFPEVTPSPDGRGSOPIKHH-----SPGQRSGMLHRNTERRAPPSP

hNRG3B1 499 RSRLGGIVGPAYQOLEESRIPDQDITPCQIEVRKTISHLP IQLWCVERP  
mNRG3 492 RSRLGGIVGPAYQOLEESRIPDQDITPCQIEVRKTISHLP IQLWCVERP

hNRG3B1 549 LDKYSSSGLKTRNTSINMQLPSRETNPFNSLEQKDLVGYSSTRASSV  
mNRG3 542 LDKYVSNGLRTOQNASINMQLPSRETNPFNSLDQKDLVGYSSTRANSV

hNRG3B1 599 PIIPSVGLEETCLOMPGISIEVKS IKWCKNSYSADVNVVSIIPVSDCLIAEQ  
mNRG3 592 PIIPSMGLEETCMOMPGISIDVKS IKWCKNSYSADIVNVSMPVSDCVIEEQ

hNRG3B1 649 DEVKILLETVQEQIRILTDARRSEDYELASVETEDSASENTAFLPLSPTA  
mNRG3 642 DEVKILLETVQEQIRILTDARRSEDFELASMETEDSASENTAFLPLSPTA

hNRG3B1 699 KSEREAQFVLRNEIQRDSALTK  
mNRG3 692 KSEREAQFVLRNEIQRDSVLTKE

Figure 4A

HNRG3B1 1 MSEGAAAASPPGAASAAAAAEEGTAAAAAAAAGGGPDGGGEGAAEPPR  
 HNRG3B2 1 MSEGAAAASPPGAASAAAAAEEGTAAAAAAAAGGGPDGGGEGAAEPPR

HNRG3B1 51 ELRCSDCIVWNROOTWLCVVPFLFIGFIGLGLSLMLLKWIVVGSVKEYVPT  
 HNRG3B2 51 ELRCSDCIVWNROOTWLCVVPFLFIGFIGLGLSLMLLKWIVVGSVKEYVPT

HNRG3B1 101 DLVDSKGMGODPFFLSKPSSFPKAMETTTTTTTSTTSPATPSAGGAASSRT  
 HNRG3B2 101 DLVDSKGMGODPFFLSKPSSFPKAMETTTTTTTSTTSPATPSAGGAASSRT

HNRG3B1 151 PNRISTRLLTTITRAPTRFPGHRVPIRASPRSTTARNTAAPATVPSTTAPF  
 HNRG3B2 151 PNRISTRLLTTITRAPTRFPGHRVPIRASPRSTTARNTAAPATVPSTTAPF

HNRG3B1 201 FSSSTLGSRRPPVPGTPTOAMPSPWPTAAYATSSYLHDSTPSWTLSPPFODA  
 HNRG3B2 201 FSSSTLGSRRPPVPGTPTOAMPSPWPTAAYATSSYLHDSTPSWTLSPPFODA

HNRG3B1 251 ASSSSSSSSSATTITPETSTSPKFHTTTTSTTERSEHFKPCRDKDLAYCLN  
 HNRG3B2 251 ASSSSSSSSSATTITPETSTSPKFHTTTTSTTERSEHFKPCRDKDLAYCLN

HNRG3B1 301 DGEFCFVIETLTGSHKHCRCKEGYOGVRCDOFLPKTDSILSDPTDHLGIEF  
 HNRG3B2 301 DGEFCFVIETLTGSHKHCRCKEGYOGVRCDOFLPKTDSILSDPTDHLGIEF

HNRG3B1 351 MESEEVYQROVLSISCIIFGIVIVGMFCAAFYFKSKKOAQIOEOLKVPO  
 HNRG3B2 351 MESEEVYQROVLSISCIIFGIVIVGMFCAAFYFKSKKOAQIOEOLKVPO

HNRG3B1 401 NGKSYSLKASSTMAKSENLVKSHVOLQNYSKVERHPVTALEKMMESSFVG  
 HNRG3B2 401 NGKSYSLKASSTMAKSENLVKSHVOLQNYSKVERHPVTALEKMMESSFVG

HNRG3B1 451 POSFPEVPSPDRGSOSVKHHRSLSSCCSPGORSGLH'RNAFRRTPPSPRS  
 HNRG3B2 451 POSFPEVPSPDRGSOSVKHHRSLSSCCSPGORSGLH'RNAFRRTPPSPRS

HNRG3B1 501 RLGGIVGPAYOOLESRIPODITPCOG IEVRKTISHLP IQLWCVERPLD  
 HNRG3B2 501 RLGGIVGPAYOOLESRIPODITPCOG .....

HNRG3B1 551 LK YSSSGLKTORNTSINMQLPSRETNPYFNSLEOKDLVGYSTRASSVP I  
 HNRG3B2 529 - - YSSSGLKTORNTSINMQLPSRETNPYFNSLEOKDLVGYSTRASSVP I

HNRG3B1 601 IPSVGLEETCLOMPGISEVKS IKWCKNSYSADVNV SIPVSDCLIAEQOE  
 HNRG3B2 577 IPSVGLEETCLOMPGISEVKS IKWCKNSYSADVNV SIPVSDCLIAEQOE

HNRG3B1 651 VKILLETVOEQIRILTDARRSEDYELASVETEDSASENTAFLPLSPTAKS  
 HNRG3B2 627 VKILLETVOEQIRILTDARRSEDYELASVETEDSASENTAFLPLSPTAKS

HNRG3B1 701 EREAQFVLRNEIORDSALT K  
 HNRG3B2 677 EREAQFVLRNEIORDSALT K

Figure 4B

<b>hNRG3.egf</b>	288	HFKP	CRDK	DLAY	CLND	GECF	VIET	LTGS	HKH	-CR	KEGY	QGV	RC	-DQF	L
<b>cARIA.egf</b>	137	HLTK	CDIK	QKAF	CVNG	GECY	MVKD	LPN	PPRY	L	CRCP	NEFT	GDRC	-QNY	V
<b>hAR.egf</b>	142	KKNP	CNAE	FQNE	FCIH	-GECK	YIEH	LEAV	T---	CKC	QOEY	FGER	CGEK	SM	
<b>hBTC.egf</b>	65	HFSR	CPKQ	YKH	YCIK	-GR	CRFV	VAEQ	TPS	---	CV	DEGY	IGAR	CERVD	L
<b>hEGF.egf</b>	972	SDSE	CP	SHDG	YCLH	DGV	CMY	IEAL	DKYA	---	CNC	VVGY	IGER	CQYRD	L
<b>hHB-EGF.egf</b>	104	KRDP	CLRK	YKDF	CIH	-GECK	YVKEL	RAPS	---	CIC	HPGY	HGER	CHGL	SL	L
<b>hHRGα.egf</b>	178	HLVK	CAEK	EKT	FCVNG	GECF	MVKD	LSNP	SRYL	CKC	QPG	FTGAR	CTEN	YP	
<b>hHRGβ.egf</b>	178	HLVK	CAEK	EKT	FCVNG	GECF	MVKD	LSNP	SRYL	CKC	PNEFT	GDRC	-QNY	V	
<b>hTGFα.egf</b>	43	HFND	CPDS	HTQ	ECFH	-GT	CRFL	VQED	KPA	---	CV	CHSG	YVGAR	CEHAD	L
<b>mEPR.egf</b>	57	QITK	CSSD	MDGY	CLH	-GQ	CIYL	VDMR	EKF	---	CR	CEV	GYT	GLRC	EHFF

Figure 5

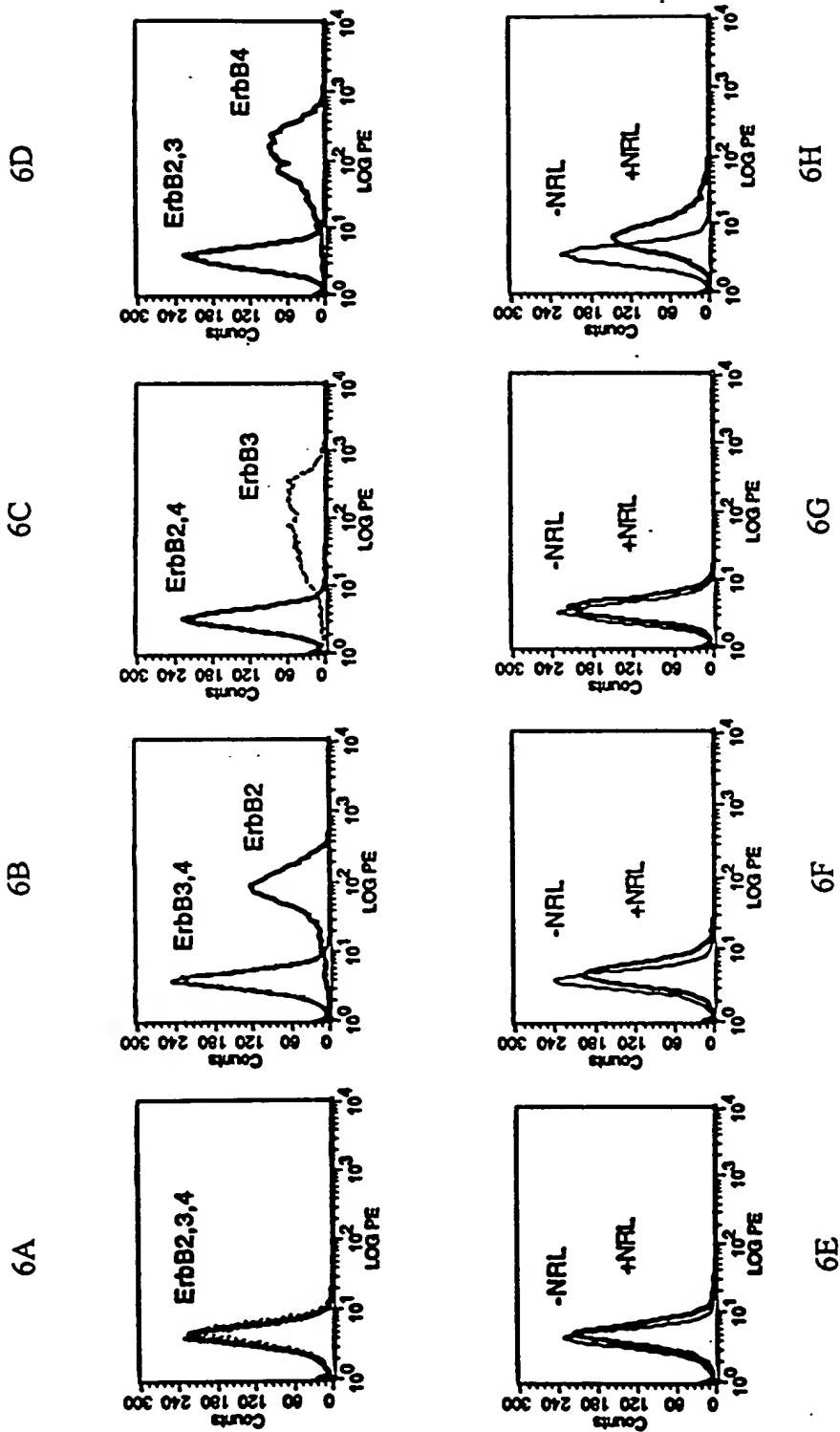


Figure 6A - 6H

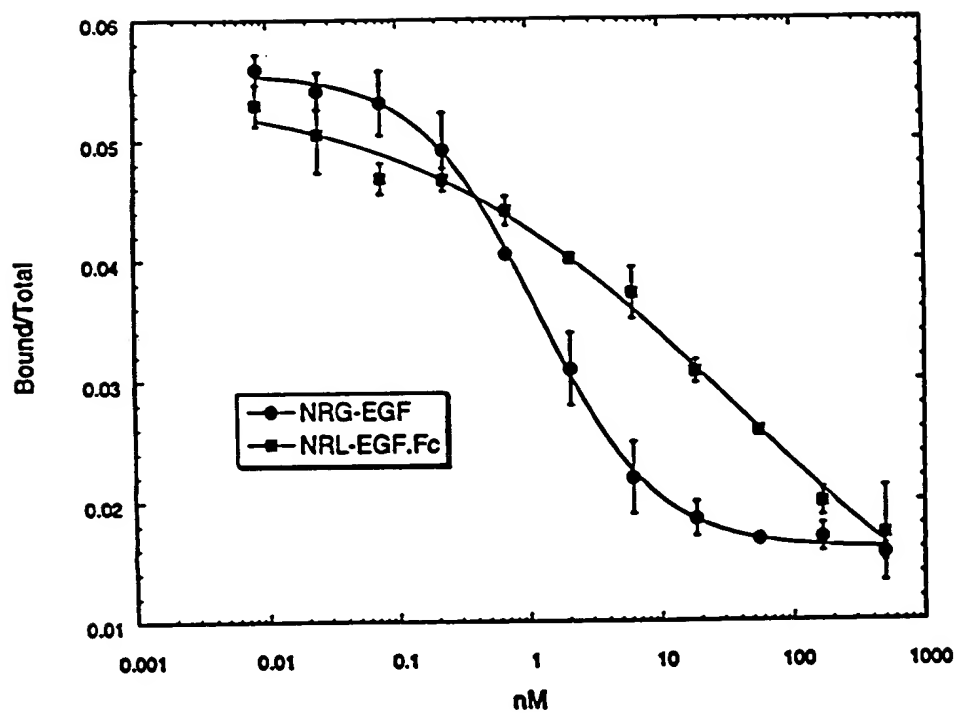


Figure 7